

**Virginia Division of Consolidated Laboratory Services (DCLS)**  
**Virginia Environmental Laboratory Accreditation Program**

**TECHNICAL ASSISTANCE DOCUMENT**

**Revised 1VAC30-45, Regulation for the Certification of  
Non-Commercial Environmental Laboratories  
Effective April 1, 2022**

The following information has been provided by the Virginia Environmental Laboratory Accreditation Program (VELAP) to highlight the key changes of revisions to 1VAC30-45, effective April 1, 2022. Laboratories will be assessed to the revised requirements starting November 1, 2022.

***Where can I get a copy of the revised 1VAC30-45?***

A revised copy of 1VAC30-45 will be available on or after April 1, 2022 on the VELAP web page, <http://www.dgs.virginia.gov/dcls>, under the Regulations header of the Certification Toolbox page, or by contacting the VELAP office.

***What are the key changes in the revised 1VAC30-45?***

- **Proficiency Testing (PT) changes** reducing the minimum number of days between PT studies from 15 days to 7 days, when a laboratory performs supplemental PT testing after a failed PT study. (Refer to 1VAC30-45-520 B 4.)
- **Demonstration of Capability changes** in cases where a laboratory analyzes samples using a test method that has not been in use by an individual in the laboratory for at least a 12 month period, requiring another successful demonstration of capability by that individual before continuing to test by the method. (Refer to 1VAC30-45-730 E 4.)
- **Limit of Detection (LOD) changes** when testing is done in accordance with the federal Clean Water Act using approved methods listed in 40 CFR Part 136, requiring the determination of the method detection limit (MDL) in accordance with 40 CFR Part 136 Appendix B. (Refer to 1VAC30-45-760 B 1.)

***How can my laboratory ensure its compliance with all aspects of the revised regulation?***

VELAP encourages all laboratories to review the regulation in full, in addition to carefully reviewing the sections of the regulation described above. Additionally, several helpful documents on the MDL procedure, including a checklist with step-by-step requirements taken directly from the EPA MDL procedure and a link to training resources on the MDL procedure, are available on the Certification Toolbox page under the header “MDL – Method Detection Limit” at <http://www.dgs.virginia.gov/dcls>.

Revised assessment checklists for 1VAC30-45 will be available on the VELAP web page shortly after the effective date of the regulation. (Select the Non-Commercial Environmental Labs page). Each laboratory is encouraged to use these checklists when performing internal audits to verify compliance with the revised regulation.